

IN THE CLAIMS

1. (Currently Amended): A method of manufacturing an image displaying apparatus, comprising the steps of:
 - a: disposing a substrate, on which an electrical conductor and a wiring connected to the conductor are formed, on a support; disposing a container on the substrate ~~to cover the conductor with a container except for a part of the wiring~~ so as to form a sealed gas-tight atmosphere defined by the container and the substrate, to cover the conductor with the container, except for part of the wiring; setting the container into a desired atmosphere therein; and applying a voltage to the conductor through the part of wiring, thereby forming at least one electron-emitting device at a part of the conductor to thereby form an electron source substrate;
 - b: preparing a phosphor substrate on which a phosphor emitting light responsive to an irradiation with an electron emitted from the electron-emitting device is arranged, and disposing the electron source substrate and the phosphor substrate within vacuum atmosphere;
 - c: carrying under a vacuum atmosphere one or both of the electron source substrate and the phosphor substrate into the vacuum atmosphere in a gettering process chamber, and subjecting to a gettering process only one substrate carried therein, or the one or both of the substrates carried therein; and

d: after the gettering process, carrying under the vacuum atmosphere the electron source substrate and the phosphor substrate in a seal-bonding process chamber, and subjecting to heat seal-bonding the substrates in an opposing state.

2. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said step of setting the container into a desired atmosphere therein comprises a step of exhausting the inside of the container.

3. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said step of setting the container into a desired atmosphere therein comprises a step of introducing a gas into the container.

4. (Original): A method of manufacturing an image displaying apparatus according to claim 1, further comprising a process of fixing, onto the support, the substrate used for the electron source substrate.

5. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 4, wherein the process of fixing, onto the support, the substrate used for the electron source substrate comprises a step of vacuum-adsorbing the substrate onto the support.

6. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 4, wherein the process of fixing, onto the support, the substrate used for the electron source substrate comprises a step of electrostatically-adsorbing the substrate onto the support.

7. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 4, wherein said step of disposing, on the supporting member, the substrate used for the electron source substrate is performed while sandwiching a heat conductor between the substrate and the supporting member.

8. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said step of applying a voltage to the conductor comprises a step of adjusting the temperature of the substrate.

9. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said step of applying a voltage to the conductor comprises a step of heating the substrate used for the electron source substrate.

10. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said step of applying a voltage to the conductor comprises a step of cooling the substrate used for the electron source substrate.

11. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said processes b, c, and d are processes set within an in-line.

12. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said processes b, c, and d are processes set within an in-line, and a heat shielding material is disposed between the gettering process chamber and the seal-bonding process chamber.

13. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 12, wherein said heat shielding material is formed of a reflective metal.

14. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said processes b, c, and d are processes set within an in-line, and a gate valve is disposed between the gettering process chamber and the seal-bonding process chamber.

15. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said processes b, c, and d are processes set on a star arrangement.

16. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein said processes b, c, and d are processes set on a star arrangement, and the gettering process chamber and the seal-bonding process chamber are partitioned by an independent chamber.

17. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein the phosphor comprises means for emitting electron beam.

18. (Original): A method of manufacturing an image displaying apparatus according to claim 1, wherein the electron source substrate comprises an outer frame fixedly disposed preliminary to its periphery.

19. (Original): A method of manufacturing an image displaying apparatus according to claim 1, wherein the electron source substrate comprises a spacer fixedly disposed preliminary to an inside thereof.

20. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein the electron source substrate comprises an outer frame fixedly disposed preliminary to its periphery, and a spacer fixedly disposed preliminary to an inside thereof.

21. (Original): A method of manufacturing an image displaying apparatus according to claim 1, wherein the phosphor substrate comprises an outer frame fixedly disposed preliminary to its periphery.

22. (Original): A method of manufacturing an image displaying apparatus according to claim 1, wherein the phosphor substrate comprises a spacer fixedly disposed preliminary to an inside thereof.

23. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein the phosphor substrate comprises an outer frame fixedly disposed preliminary to its periphery, and a spacer fixedly disposed preliminary to an inside thereof.

24. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein the getter used in said process c is an evaporable getter such as a barium getter.

25. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 24, wherein the evaporable getter is a barium getter.

26. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein a seal-bonding material used in said process d is a low melting point material.

27. (Original): A method of manufacturing an image displaying apparatus according to claim 26, wherein the low melting point material is a low melting point metal or an alloy thereof.

28. (Original): A method of manufacturing an image displaying apparatus according to claim 27, wherein the low melting point metal is indium or an alloy thereof.

29. (Original): A method of manufacturing an image displaying apparatus according to claim 26, wherein the low melting point material is frit glass.

30. (Previously Presented): A method of manufacturing an image displaying apparatus according to claim 1, wherein the at least one electron-emitting device is plural electron-emitting devices, and further comprising a step of arranging the electron-emitting devices in a matrix, and forming wirings so as to connect in a matrix configuration the electron-emitting devices arranged in the matrix.

31-46. (Cancelled).